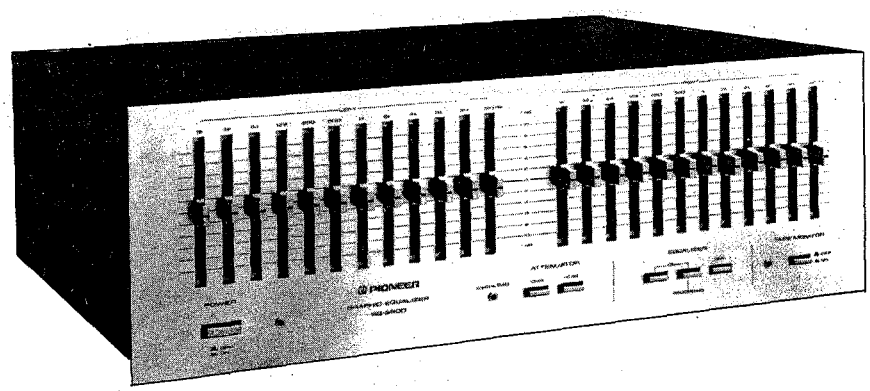
GRAPHIC EQUALIZER

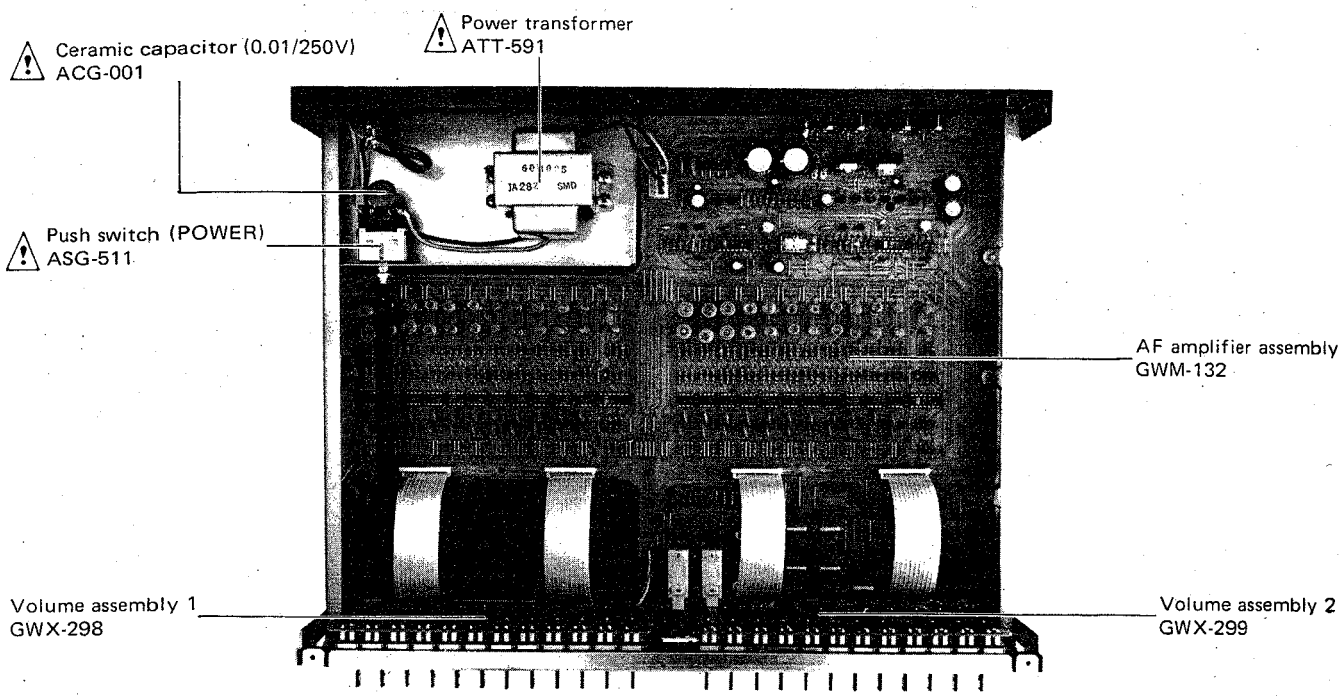
SG-9800

SERVICE MANUAL

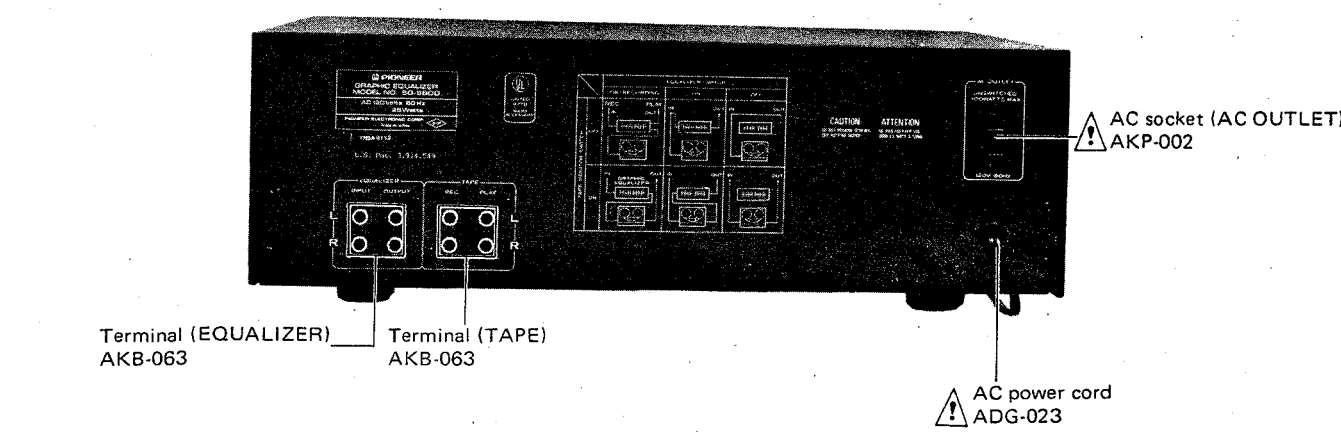


PIONEER®

Top View with Top Cover Removed



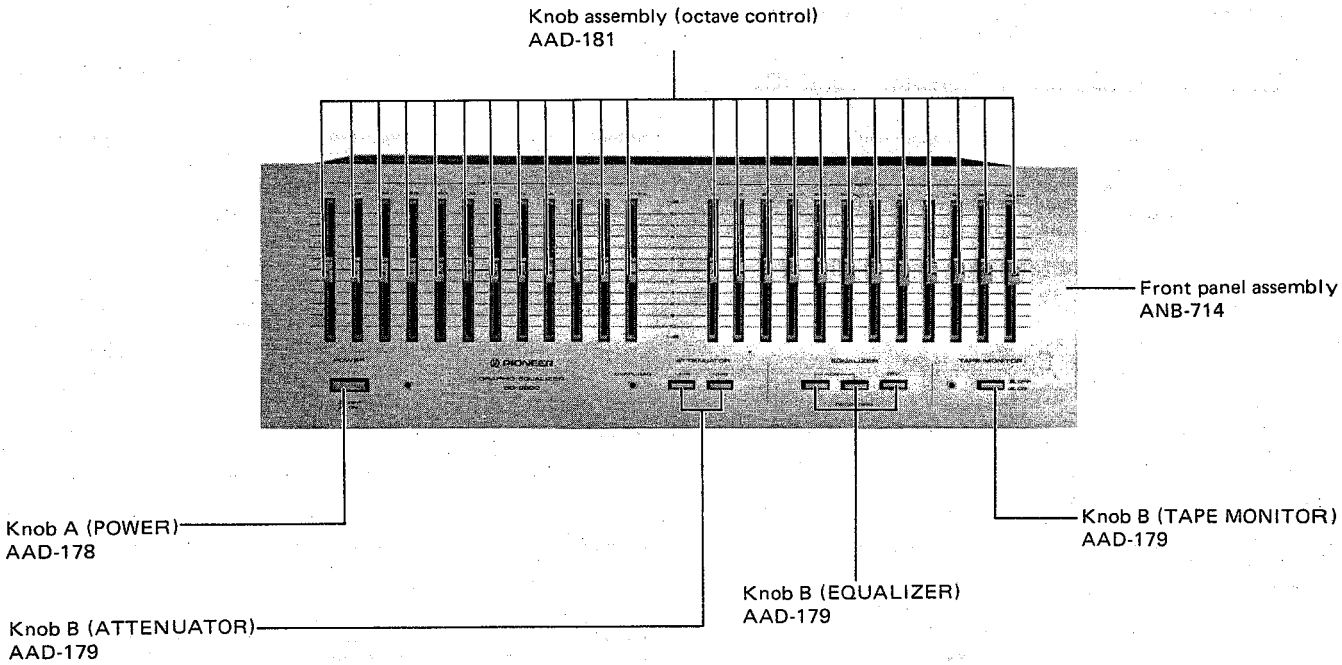
Rear Panel View



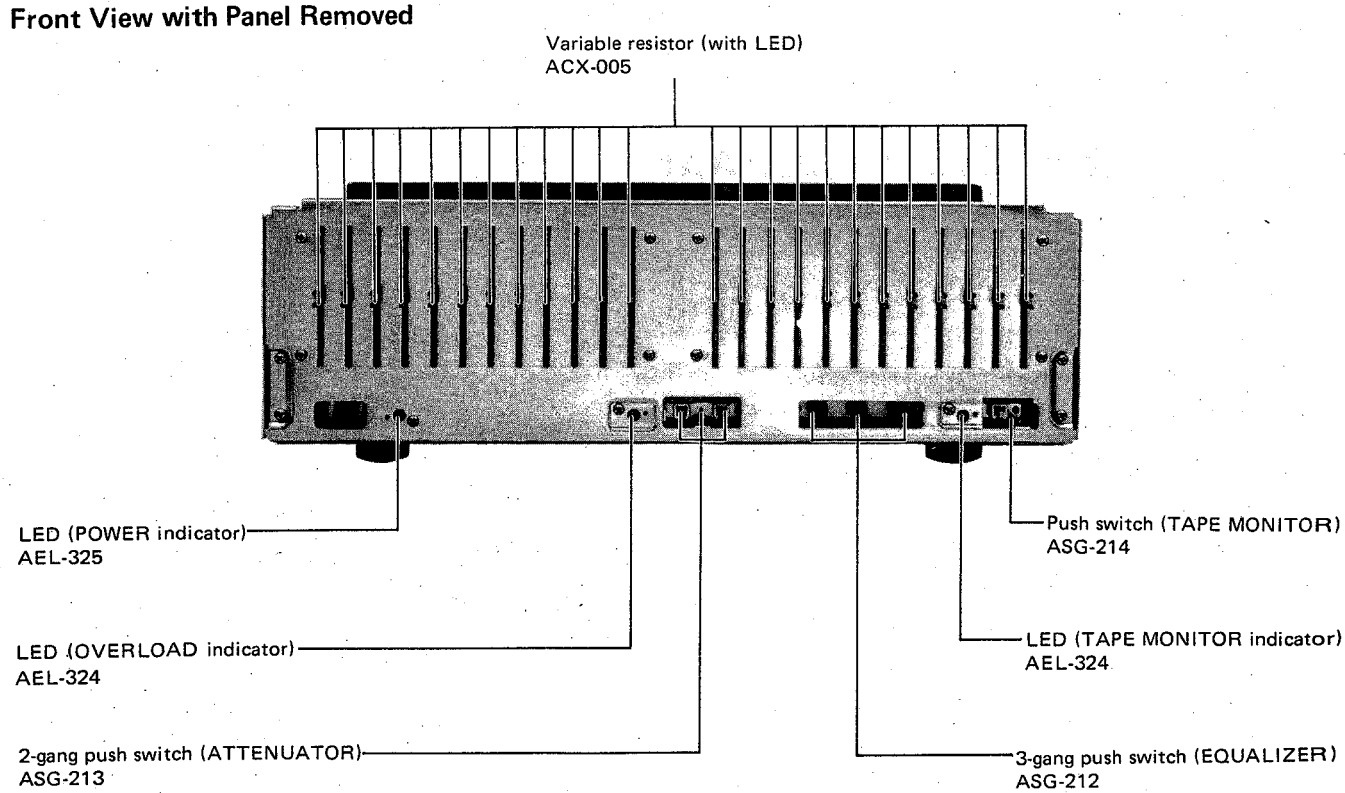
PARTS LOCATION

- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

Front Panel View



Front View with Panel Removed



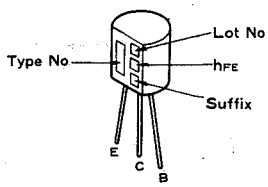
MISCELLANEA

Miscellaneous Parts

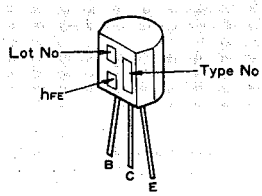
Part No.	Symbol & Description	
⚠ACG-001	C1	Ceramic capacitor
⚠ASG-511	S7	Push switch (POWER)
⚠ATT-591	T1	Power transformer
⚠AKP-002		AC socket
⚠ADG-023		AC power cord

External Appearance of Transistors and ICs

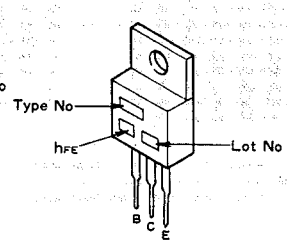
2SA872A
2SA733A
2SC1775A
2SC945A



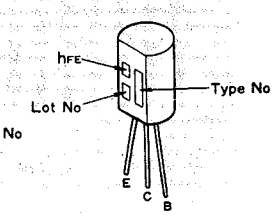
2SA1100
2SC2575



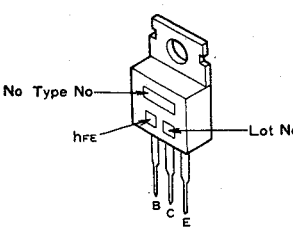
2SB507



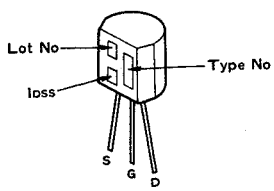
2SC1384



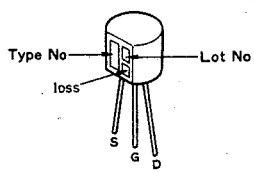
2SD313



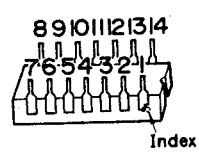
2SK34



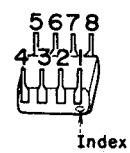
2SK30A



HA1452W



NJM4558DX

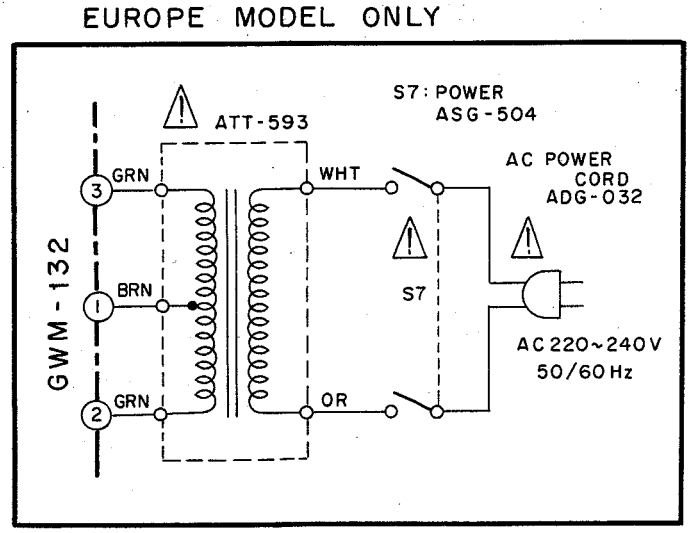


SCHEMATIC DIAGRAM

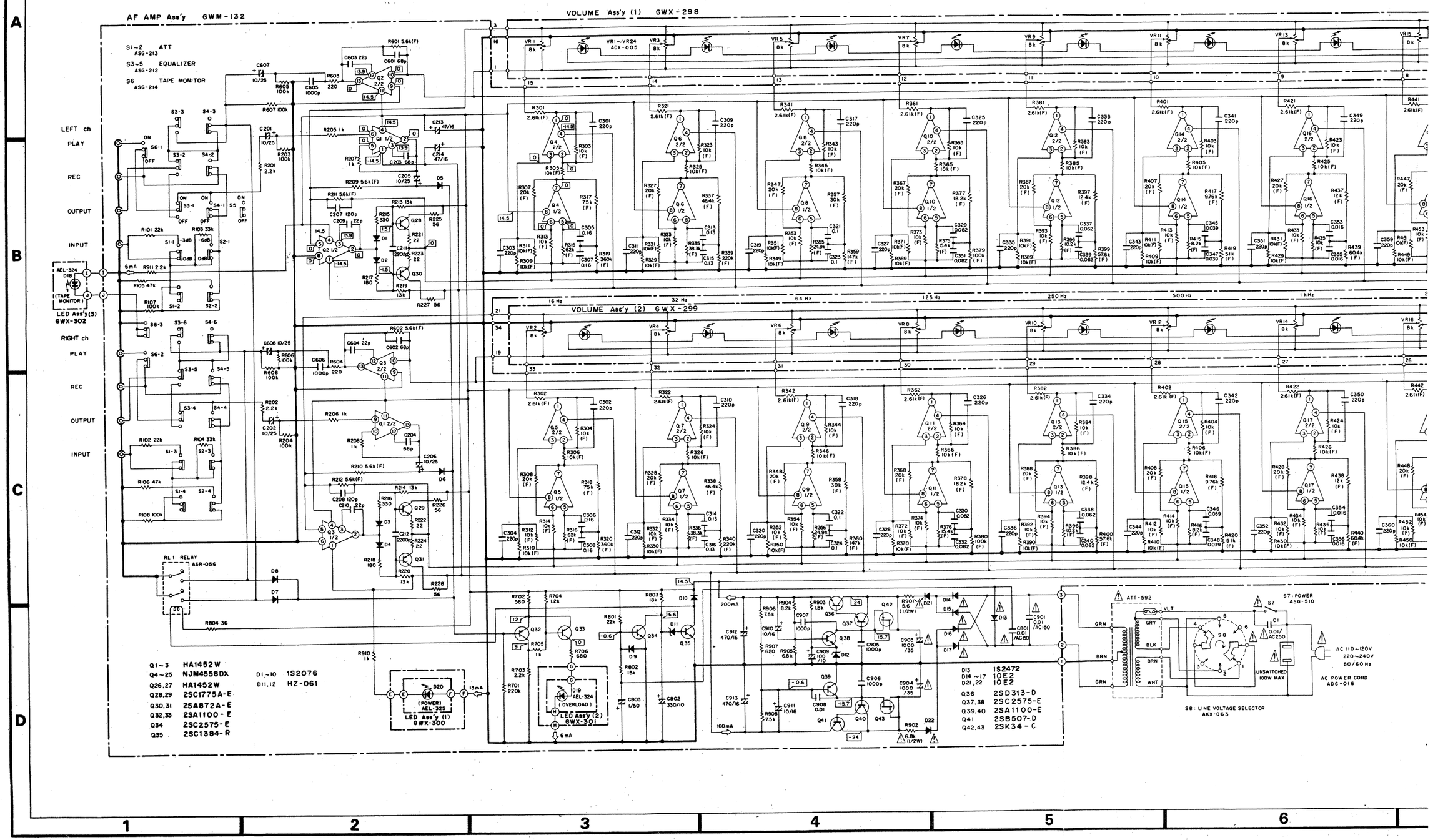
NOTE:
The schematic diagrams of the WE and WB types are the same as the KU type, with except for following sections;

For WE Type

EUROPE MODEL ONLY

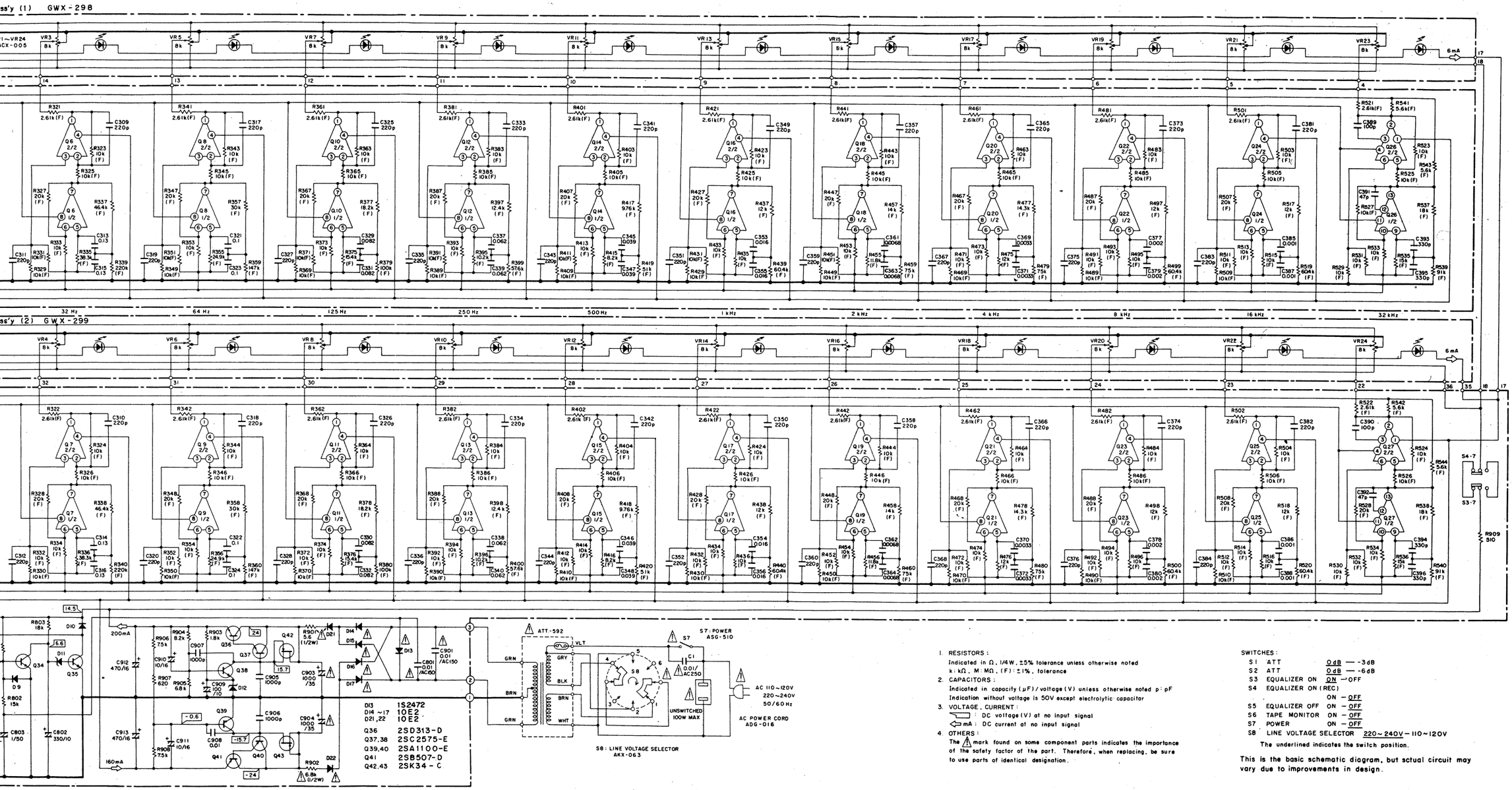


SCHEMATIC DIAGRAM FOR R AND R/G TYPES



ES

NOTE:
The indicated semiconductors are representative ones only. Other alternative semiconductors may be used and are listed in the parts list.



1. RESISTORS :
   Indicated in Ω, 1/4W, ±5% tolerance unless otherwise noted
   k: kΩ, M: MΩ, (F): ±1%, tolerance
2. CAPACITORS :
   Indicated in capacity (μF) / voltage (V) unless otherwise noted p: pF
   Indication without voltage is 50V except electrolytic capacitor
3. VOLTAGE, CURRENT :
   : DC voltage (V) at no input signal
   mA : DC current at no input signal
4. OTHERS :
   The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

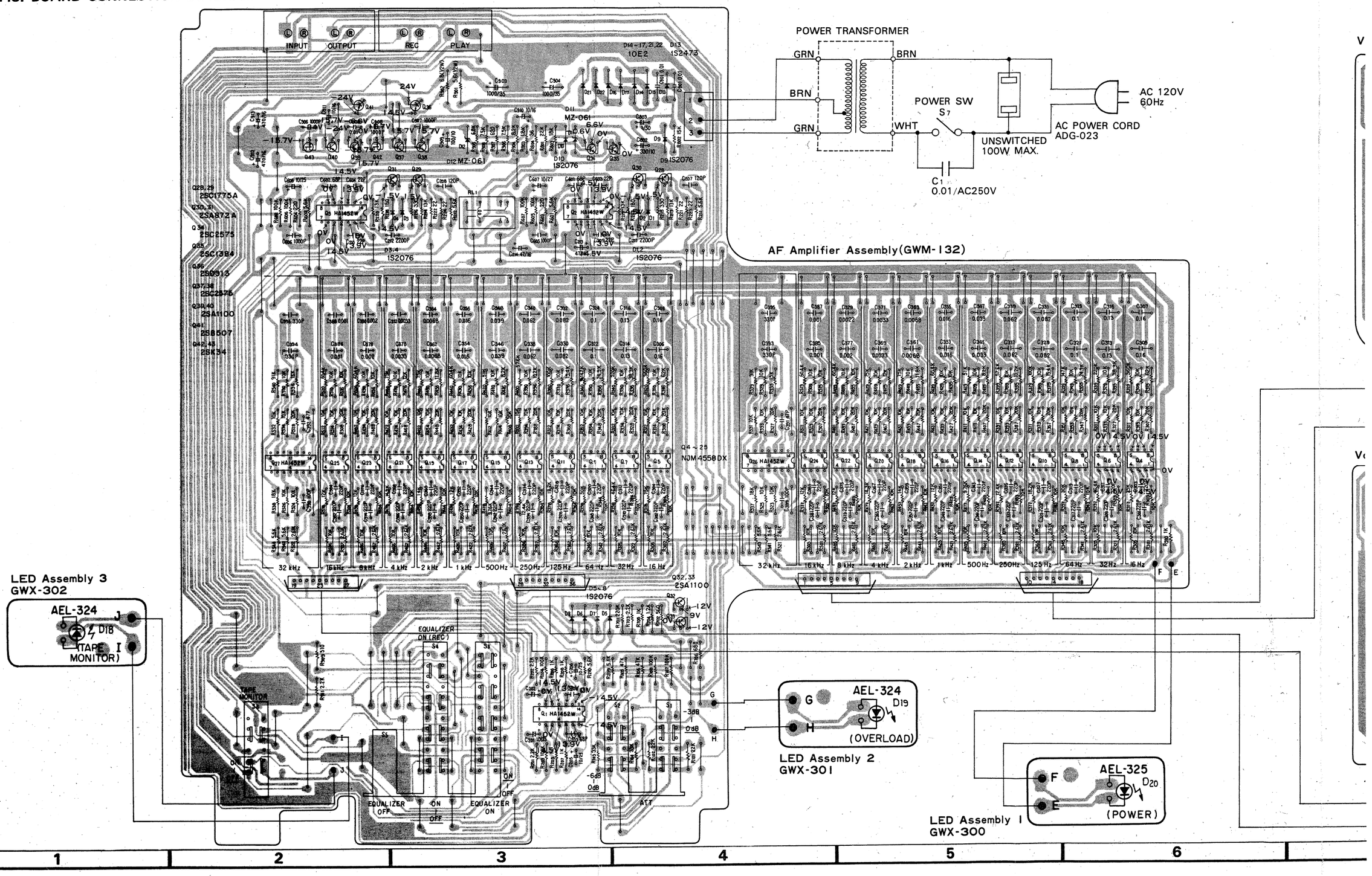
SWITCHES :

S1	ATT	0dB	-3dB
S2	ATT	0dB	-6dB
S3	EQUALIZER ON	ON	OFF
S4	EQUALIZER ON (REC)	ON	OFF
S5	EQUALIZER OFF	ON	OFF
S6	TAPE MONITOR	ON	OFF
S7	POWER	ON	OFF
S8	LINE VOLTAGE SELECTOR	220~240V	110~120V

The underlined indicates the switch position.

This is the basic schematic diagram, but actual circuit may vary due to improvements in design.

P.C. BOARD CONNECTION DIAGRAM



POWER TRANSFORMER

GRN
BRN
BRN
GRN
WHT
POWER SW
S_7
UNSWITCHED
100W MAX.
AC 120V
60Hz
AC POWER CORD
ADG-023
C_1
0.01/AC250V

AF Amplifier Assembly(GWM-132)

Q4 ~ 25
NJM4558DX
Q26 HA1452W
Q32, 33
2SA1100
ATT

LED Assembly 2
GWX-301

AEL-324
D19
(OVERLOAD)
G
H

LED Assembly 1
GWX-300

AEL-325
D_{20}
(POWER)
F
E

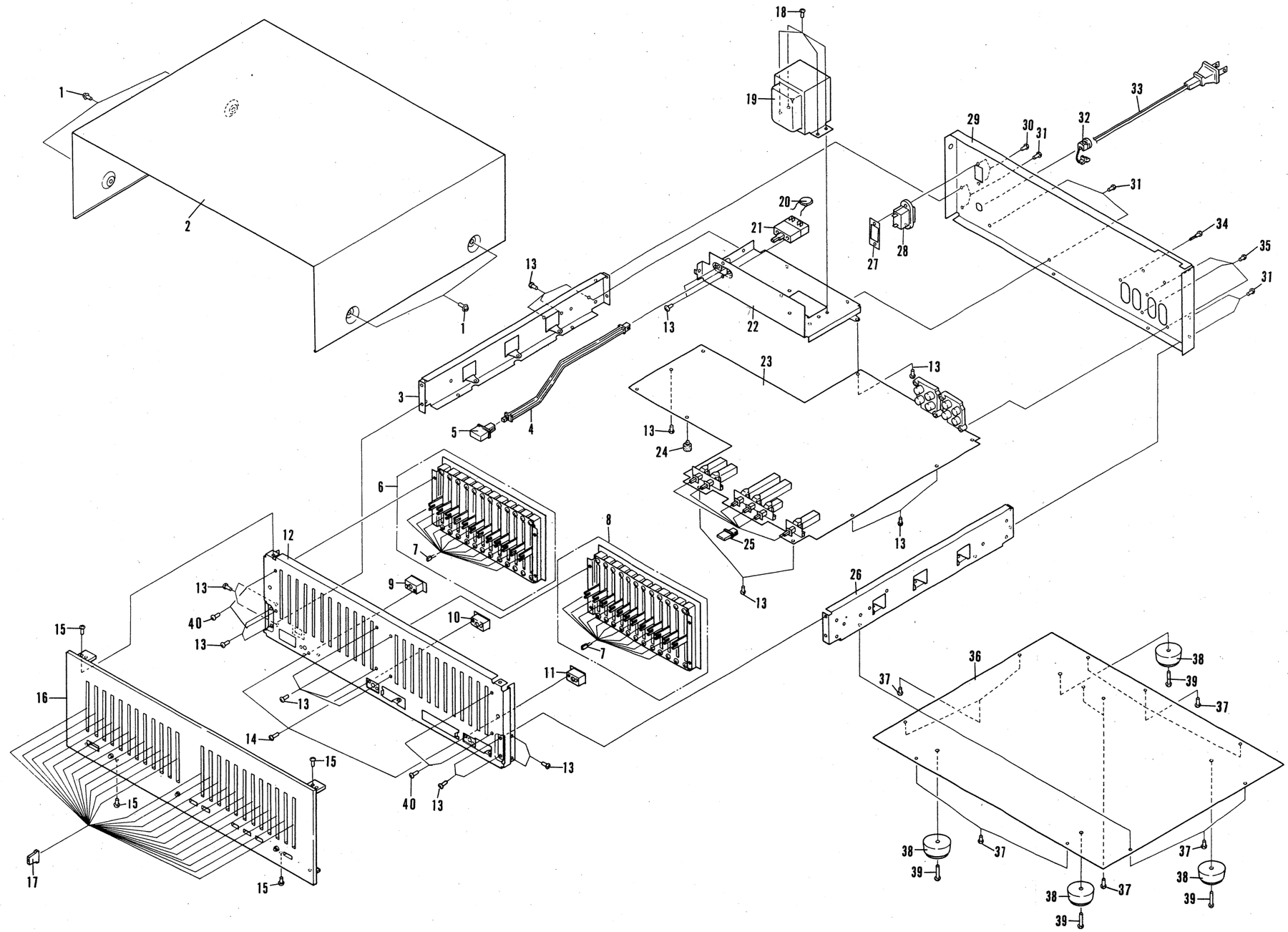
Volume Assembly 1(GWX-298)

VR23 8K VR21 8K VR19 8K VR17 8K VR15 8K VR13 8K VR11 8K VR9 8K VR7 8K VR5 8K VR3 8K VR1 8K

Volume Assembly 2(GWX-299)

VR24 8K VR22 8K VR20 8K VR18 8K VR16 8K VR14 8K VR12 8K VR10 8K VR8 8K VR6 8K VR4 8K VR2 8K

EXPLODED VIEW



Parts List of Exploded View

NOTES:
- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

Key No.	Part No.	Description
1.	ABA-079	Screw 4 x 8
2.	ANE-245	Metal cover
3.		Frame
4.		Extension bar
5.	AAD-178	Knob A
6.	GWX-298	Volume assembly 1
7.	AEL-322	LED
8.	GWX-299	Volume assembly 2
9.	GWX-300	LED assembly 1
10.	GWX-301	LED assembly 2
11.	GWX-302	LED assembly 3
12.		Panel stay
13.	ABA-048	Screw 3 x 6
14.	ABA-065	Screw 3 x 6
15.	ABA-026	Screw 3 x 6
16.	ANB-714	Front panel assembly
17.	AAD-181	Knob assembly
18.	ABA-069	Screw 4 x 8
⚠19.	ATT-591	Power transformer
⚠20.	ACG-001	Ceramic capacitor (0.01/250V)
21.	ASG-511	Push switch (POWER)
22.		Plate
23.	GWM-132	AF amplifier assembly
24.		Cushion
25.	AAD-179	Knob B
26.		Frame
27.		Plate
⚠28.	AKP-002	AC socket (AC OUTLET)
29.		Rear panel
30.	ABA-003	Screw 3 x 10
31.	ABA-228	Screw 3 x 6
32.	AEC-327	Strain relief
⚠33.	ADG-023	AC power cord
34.	ABA-115	Screw 3 x 10
35.	ABA-082	Screw 3 x 10
36.		Bottom plate
37.	ABA-140	Screw 3 x 6
38.	AEC-178	Foot assembly
39.	ABA-071	Screw 4 x 16
40.	ABA-064	Screw 3 x 6

PIONEER®-SERVICE

Telefon 0421/31691

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